

# Jonathan SICSIC

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August 2020

## Personal information

Date of birth: October 3, 1988

Citizenship: French

Research expertise: *Applied econometrics, Health economics & policy evaluation, Non-market valuation*

## BIOGRAPHY

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### Current positions

Assistant professor, Paris Institute of Technology (IUT) Sept. 2019-  
Researcher in the applied health economics research unit (LIRAES, EA4470)

### Past professional experiences

Postdoctoral researcher, LIRAES, Paris Descartes University, Paris, France 2017-2019  
Visiting fellow, Health Economics Research Unit, University of Aberdeen, Scotland 2017 (Jan-Jui)  
Postdoctoral researcher, University of Lyon 1 & Centre Léon Bérard, Lyon 2015-2017  
Research engineer, CESP Inserm U1018, University Paris-Sud, Villejuif 2015 (Jan-Aug)  
Research assistant, Cermes3, UMR 8211 (CNRS, Inserm, EHES), Villejuif, France 2011-2014

### Education

**Ph.D in Economics, Paris-Dauphine University** 2011-2014  
Dissertation topic: *"Impact of economic incentives in general practice"*  
Supervisor: C. FRANC (researcher, Inserm)  
Jury: B. DORMONT, K. JANUS, L. LETRILLIART, N. MOUMJID, C. PEYRON  
Special training to access data from the French National Health Data System (SNDS) 2013  
**M.Sc in Statistics and Econometrics, ENSAI** (Ecole Nationale de la Statistique, 2008-2011  
et de l'Analyse de l'Information), Rennes  
**B.A in Literature and Social Sciences** (B/L), Marseille 2006-2008

## RESEARCH GRANTS AND AWARDS

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### Main investigator (PI or co-holder)

- Université de Paris / King's College London Joint Research Award 2020-2021  
"The impact of Long-Term Care policies on frailty risk for older people in Europe and the UK" (joint with T. Rapp, P. Avendano, L. Carrino).  
- Outgoing Mobility award, PRESTIGE / Marie Curie post-doc programme (n° 2016-2-0009) 2017  
"Revealing women's preferences for breast cancer screening using advanced stated preferences methods".  
- Canceropôle Ile de France ("free projects in humanities and social sciences") 2013-2015

*"Changes in cancer screening behaviours, role of the general practitioner and impact of economic incentives"* (joint with C. Franc).

- National Cancer Institute 2013-2015  
*"General practitioners' preferences for interventions aimed at improving breast, cervical, and colorectal cancer screening."* (joint with C. Franc).

### Secondary investigator / contributor

- H2020 project (n°779312) – *"Improved methods for enhancing HTA"* (impact HTA) 2020-  
Contributor to WP 11 "Preferences for d-CE interventions" (WP leader: L. Rochaix). PI. P. Kavanos

- H2020 project (n°755394)- *"My Personal Breast Screening"* (My-PEBS) 2018-2025  
*"International randomized study comparing personalized, risk-stratified to standard breast cancer screening in women aged 40-70"*. Contributor to WP 5 (The economic and societal impacts of risk stratified screening, WP leader: S. de Mongolfier). PI S. Delaloge.

- IRESP, PrevHPV 2019-2022  
*"Research project in humanities, social sciences and epidemiology related to the acceptability of vaccination against HPV among boys and girls of school age"*. Co-responsible team 7 (head J. Mueller)

- European Commission / Innovative Medicines Initiative (IMI, n°115621) 2017-2020  
*"Sarcopenia and physical frailty in older people: multi-component strategies"* (SPRINT-T). Contributor to WP 5 (The economic consequences of frailty in Europe, WP leader: T. Rapp). PI P. Bernabei

- National Institute of Cancer. Postdoctoral fellowship 2015-2017  
*"Breast cancer screening: what are women's preferences and their reasons?"*. PI N. Moumjid.

## PUBLICATIONS

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### Articles in peer-reviewed journals

#### *Publications in general interest Economic journals*

\* D.A. Regier, J. Sicsic<sup>✉</sup>, V. Watson (2019). ["Choice certainty and deliberative thinking in discrete choice experiments. A theoretical and empirical investigation"](#). *Journal of Economic Behaviour & Organization* Vol. 164, pp. 235-255 [CNRS rank 2]

#### *Publications in Health Economics journals*

\* T. Rapp, J. Sicsic (2020). ["The contribution of the immigrant population to the U.S. long term care workforce"](#). *Social Science & Medicine* Vol. 263 [CNRS rank 1]

\* J. Sicsic<sup>✉</sup>, B. Ravesteijn, T. Rapp (2020). ["Are frail elderly people in Europe high-need subjects? First evidence from the SPRINTT trial"](#). *Health Policy* Vol. 124 n°8, pp. 865-872 [CNRS rank 2]

\* J. Sicsic<sup>✉</sup>, T. Rapp (2019). ["Frailty transitions and healthcare use in Europe"](#). *Health Services Research* Vol. 54 n°6, pp. 1305-1315 [CNRS rank 2]

\* N. Krucien, J. Sicsic, M. Ryan (2019). ["For better or worse? Investigating the validity of best-worst discrete choice experiments in health"](#). *Health Economics* Vol. 28, pp. 572-586 [CNRS rank 1]

\* J. Sicsic<sup>✉</sup>, N. Pelletier-Fleury, N. Moumjid (2018). ["Women's Benefits and Harms Trade-Offs in Breast Cancer Screening: Results from a Discrete Choice Experiment"](#). *Value in Health* Vol. 21 n°1, pp. 78-88 [CNRS rank 2]

\* P. Constantinou, J. Sicsic, C. Franc (2017). ["Effect of pay-for-performance on cervical cancer screening participation in France"](#). *International Journal of Health Economics and Management* Vol. 17 n°2, pp. 181-201 [CNRS rank 2]

- \* J. Sicsic✉, C. Franc (2017). "[Impact assessment of a pay-for-performance program on breast cancer screening in France using micro data](#)". *European Journal of Health Economics* Vol. 18 n°5, pp. 609-621 [CNRS rank 2]
- \* J. Sicsic✉, N. Krucien, C. Franc (2016). "[What are GPs' preferences for financial and non-financial incentives in cancer screening? Evidence for breast, cervical, and colorectal cancers](#)". *Social Science & Medicine* Vol. 167, pp. 116-127 [CNRS rank 1]
- \* C. Bussière, J. Sicsic, N. Pelletier-Fleury (2016). "[Simultaneous effect of disabling conditions on primary health care use through a capability approach](#)". *Social Science & Medicine* Vol. 154, pp. 70-84 [CNRS rank 1]
- \* O. Saint-Lary, J. Sicsic✉ (2015). "[Impact of a pay-for-performance programme on French GPs' consultation length](#)". *Health Policy* Vol. 119 n°4, pp. 417-426 [CNRS rank 2]
- \* J. Sicsic✉, C. Franc (2014). "[Obstacles to the uptake of breast, cervical, and colorectal cancer screenings: what remains to be achieved by French national programmes?](#)". *BMC Health Services Research* Vol. 14 n°465 [CNRS rank 3]
- \* J. Sicsic, M. Le Vaillant, C. Franc (2012). "[Intrinsic and extrinsic motivations in primary care: an explanatory study among French general practitioners](#)". *Health Policy* Vol. 108 n°2-3, pp.140-148 [CNRS rank 2]

*Publications in medical or multidisciplinary journals (selection)*

- \* J. Sicsic✉, J. Carretier, N. Pelletier-Fleury, N. Moumjid (2020). "[Préférences des femmes vis à vis du dépistage du cancer du sein](#)". *Santé Publique HS2 (S2)* pp. 7-15
- \* M. François, J. Sicsic, N. Pelletier-Fleury (2018). "[Drugs for dementia and excess of hospitalization: a longitudinal French study](#)". *Journal of Alzheimer's disease* Vol. 61 n°4, pp. 1627-1637
- \* L. Devillers, J. Sicsic, A. Delbarre, E. Ferrat, O. Saint-Lary (2018). "[General practitioner trainers prescribe fewer antibiotics in primary care. Evidence from France](#)". *PLoS One* Vol. 13 n°1: e0190522
- \* M. François, J. Sicsic, A. Elbaz, N. Pelletier-Fleury (2017). "[Trends in Drug Prescription Rates for Dementia: An Observational Population-Based Study in France, 2006–2014](#)". *Drugs and ageing* Vol. 34 n°9, pp. 711-721
- \* J. Sicsic✉, O. Saint-Lary, E. Rouveix, N. Pelletier-Fleury (2016). "[Impact of a primary care national policy on HIV screening in France: a longitudinal analysis between 2006 and 2013](#)". *British Journal of General Practice* Vol. 66 n°653, pp.920-929
- \* O. Saint-Lary, E. Bernard, J. Sicsic, I. Plu, C. Franc (2013). "[Why did most French GPs choose not to join the voluntary national pay-for-performance program?](#)" *PLoS One* Vol. 8 n°9: e72684

**Working papers (submitted)**

- \* Q. Roquebert, J. Sicsic, T. Rapp. "Health measures and long term care use in the European frail population". *Under revisions*.
- \* T. Rapp, J. Ronchetti, J. Sicsic. "Are long-term care jobs harmful? Evidence from Germany". *Under review*.
- \* L.P Donzel, J. Sicsic✉, M. Lachatre, E. Bouvet, J. Raude, J.E. Mueller. "Quantifying preferences around vaccination against frequent, mild disease with risk for vulnerable people. A discrete choice experiment among French health workers". *Under review*.
- \* T. Rapp, J. Ronchetti, J. Sicsic. "Impact of formal care consumption on informal care in Europe. What is happening at the beginning of dependency?" *Submitted to journal*.
- \* T. Rapp, B. Chopard, J. Sicsic. "Are elders' survival expectations correlated with their long-term care insurance take-up decision?" *Submitted to journal*.

## SCIENTIFIC PRESENTATIONS

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### Invited presentations

- French national radiology congress, session 'Organized breast cancer screening', October 2018, Paris
- Annual conference of the French national cancer screening programmes, March 2018, Paris
- Invited seminar « preferences elicitation in health », December 2017, University of Lausanne
- Annual congress of the French public health association (ADELF-SFSP), November 2017, Amiens
- Invited seminar of the RITM, Paris 11 Economics Department, February 2016, Sceaux

### Conferences and seminars

**2019:** 7<sup>th</sup> Congress 'Frailty and prevention of autonomy loss' (Paris)

**2018:** 40<sup>th</sup> Annual meeting of the French Health Economics Association (Paris), ADRES Doctoral Conference (ENSAE / CREST, Palaiseau), Modapa seminar (Paris School of Economics), Experimental economics seminar (EconomiX, Nanterre)

**2017:** 9<sup>th</sup> International Shared Decision Making Conference (Lyon), Health Economics Study Group meeting (Aberdeen), 5<sup>th</sup> Workshop on Non-market Valuation (Institute for Choice Modelling, Leeds), LIRAES 'young researcher seminar' (Paris), HERU stated preferences seminar (Aberdeen)

**2016:** European health economics association conference (Hamburg), 3<sup>rd</sup> EuHEA PhD student and early career researcher conference (Barcelona), 38<sup>th</sup> Annual meeting of the French Health Economics Association (Lyon), Conference 'Evaluation of Public Policies' AFSE-DG Trésor Bercy (Paris), 33<sup>th</sup> Days of Applied Microeconomics (Besançon), HESPER team seminar (Lyon)

**2015:** 2d EuHEA PhD student and ECR conference (Paris), 37<sup>th</sup> Annual meeting of the French Health Economics Association (Dijon), Seminar of the LEDi (Dijon), Conference of the French National College of General Practitioners (Dijon), 64<sup>th</sup> Annual Meeting of the French Economic Association (Rennes), LIRAES 'young researcher' seminar (Paris)

**2012-2014:** European Conference on Health Economics (Dublin), 1<sup>st</sup> EuHEA PhD student and ECR conference (Manchester), International Congress ADELFF-SFSP (Bordeaux), European Conference on Health Economics (Zurich), Journées Maurice Marchand of health economics PhD students (Paris), Doctoral Day of Paris Dauphine University (Paris)

## TEACHING

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### Full semester teaching

- Economics & management programme, undergraduate

Applied mathematics and statistics ( <i>lectures</i> ), BSc IUT Paris 5	2020-
Applied mathematics and statistics ( <i>tutorials</i> ), BSc IUT Paris 5	2019-
Introduction to Econometrics ( <i>tutorials</i> ), BSc Univ. Paris 5	2017-2018
Econometrics ( <i>tutorials</i> ), BSc Univ. Paris 1-Sorbonne	2013-2014
Microeconomics ( <i>lectures &amp; tutorials</i> ), BSc Univ. Paris-Dauphine	2011-2013

- Health sciences programme, postgraduate

Multidimensional data analysis ( <i>lectures &amp; tutorials</i> ), MSc Univ. Paris 11	2015-2017
Health Economics ( <i>lectures</i> ), MSc Univ. Paris 11	2014-2017

## Short courses

"Preferences elicitation using discrete choice experiments", MSc EHES & Paris Descartes	2019
"Introduction to health economics", MSc Univ. Paris 11	2015-2016
"Stated preferences: methods and applications in health economics", MSc ENSAI	2016
"Health policy evaluation in primary care using administrative data", M.Sc ENSAI	2015

## Graduate students' (co)-supervising (50%)

J. Ronchetti ( <i>U. de Paris, post-doc</i> )	2020-2021
S. Chyderiotis ( <i>Institut Pasteur, PhD candidate</i> )	2019-
Z. Fontier ( <i>ENSAE, L3</i> ); M.A. Chechoi ( <i>ENSAI, MSc</i> ); L.P. Donzel ( <i>EHESP, MPH</i> )	2018
M. Cordier ( <i>Univ Paris 11, PhD candidate</i> )	2015-2018
L. Devillers ( <i>Univ Paris 11, MSc</i> ); P. Constantinou ( <i>Univ Paris Dauphine, MSc</i> )	2015-2016

## SCIENTIFIC EXPERTISE

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### Scientific committee

Member of the scientific committee of the Elder 4 survey (Fondation Mederic Alzheimer, PI N. Zerrar)

### Refereeing activity

Reviewer for *Applied Health Economics & Health Policy*, *British Medical Journal*, *European Journal of Health Economics*, *European Journal of Cancer*, *Health Economics*, *Journal of Environmental Economics & Policy*, *Journal of Medical Economics*, *Medical Decision Making (P&P)*, *Revue Française d'Economie*, *Social Science & Medicine*, *Value in Health*, etc.

## ANIMATION / OTHER

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Co-organizer of the LIRAES 'health economics seminar' (with M. Ropaul, since 2019)

Member of the organisation committee: 3<sup>d</sup> Doctoral Day of the LIRAES (2019), 40<sup>th</sup> Annual meeting of the French Health Economics Association (2018), International Shared Decision Making Conference (2017)

Member, Association Française de Sciences Economiques (AFSE)

Member, Collège des Economistes de la Santé (CES)

### Personal webpages

[Google site](#) | [Repec/Ideas](#) | [Publons](#)